

Caso 3 trinomio cuadrado perfecto

$$\textcircled{1} \quad a^2 + 2ab + b^2 = (a+b)^2$$

$$\begin{array}{ccc} \downarrow & & \downarrow \\ a & a \cdot b \cdot 2 & b \\ & 2ab & \end{array}$$

$$\textcircled{2} \quad 36 + 12m^2 + m^4 = (6 + m^2)^2$$

$$\begin{array}{ccc} \downarrow & & \downarrow \\ 6 & 6 \cdot m^2 \cdot 2 & m^2 \\ & 12m^2 & \end{array}$$

$$\textcircled{3} \quad 9b^2 - 30a^2b + 25a^4 = (3b - 5a^2)^2$$

$$\begin{array}{ccc} \downarrow & & \downarrow \\ 3b & 3b \cdot 5a^2 \cdot 2 & 5a^2 \\ & 30a^2b & \end{array}$$

$$\textcircled{4} \quad 49m^6 - 70am^3n^2 + 25a^2n^4 = (7m^3 - 5an^2)^2$$

$$\begin{array}{ccc} \downarrow & & \downarrow \\ 7m^3 & 7m^3 \cdot 5an^2 \cdot 2 & 5an^2 \\ & 70am^3n^2 & \end{array}$$

$$\textcircled{5} \quad 16 + 40x^2 + 25x^4 = (4 + 5x^2)^2$$

$$\begin{array}{ccc} \downarrow & & \downarrow \\ 4 & 4 \cdot 5x^2 \cdot 2 & 5x^2 \\ & 40x^2 & \end{array}$$